

### **REMARKS**

Claims 1-11 are present in this application. Claims 1, 2, and 9 are independent claims.

### **Foreign Priority Documents**

The Office Action cover sheet checked the boxes indicating acknowledgment of the claim for foreign priority. Applicants presume that the acknowledgment is based on receipt of all of the priority documents. Applicants request that the claim for foreign priority be clarified for the record.

### **Claim Rejection under 35 USC 112**

Claims 1, 2 and 9 have been rejected under 35 U.S.C. 112, second paragraph, as being indefinite. In particular, the Office Action indicates that the phrase “the length direction” is confusing.

Applicants submit that one of ordinary skill in the art would understand the meaning of “length direction of the pole-shaped antenna.” In order to clarify the intended relationship expressed in the claims between the antenna and the wireless transmission/reception card, Applicants have amended the claims to explicitly define “main face” and replace the term “length direction” with “longitudinal axis.”

Applicants request that the rejection be reconsidered and withdrawn based on the claims as amended.

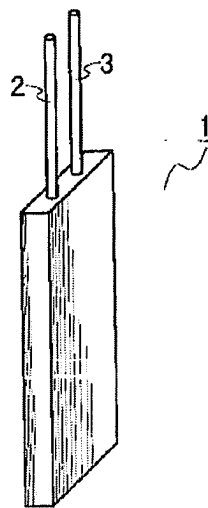
**Claim Rejection under 35 USC 102(b) – Yokoki**

Claims 1, 2, and 6 have been rejected under 35 U.S.C. 102(b) as being anticipated by JP 2001-028560 (Yokoki). Applicants respectfully traverse this rejection.

Embodiments of the present invention are directed to a wireless transmission/reception card, and an associated wireless transmission/reception card supporting apparatus (e.g., headset – Fig. 2, television – Fig. 6). The wireless transmission/reception card (1) includes a pole-shaped antenna (2, 3) and a transmitter/receiver (circuitry associated with the card, see Fig. 5).

The wireless transmission/reception card has main faces, defined as being the two having the largest areas of six faces of substantially rectangular parallelepiped shape (para. 0003). The pole-shaped antenna is arranged such that its length direction is substantially parallel to the main faces of the wireless transmission/reception card (para. 0014; see Fig. 1).

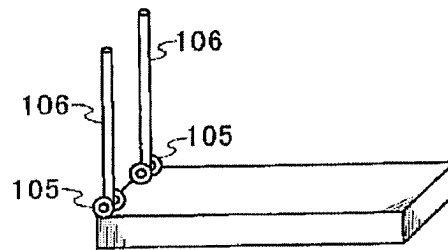
F i g . 1



The Office Action relies on Yokoki for teaching the claimed invention, and makes specific reference to present Fig. 9A for claim 1.

Fig. 9A of the present application depicts pole antennas in a folded position for purposes of carrying (present para. 0006). In order to operate the wireless LAN card, the pole-shaped antennas are brought into a state shown in Fig. 9B (“normal use state”). When the card is inserted into a notebook personal computer, the gain of signals may be reduced (para. 0007).

Prior Art  
F i g . 9 B



In order to make clear that the present invention pertains to an improvement over the prior art shown in Figs. 7, 9A, and 9B, claim 1 has been amended to explicitly recite “in an operating state.” A similar amendment has been made to claim 9. Claim 2 has been amended to recite “in a normal use state” in the claimed arrangement between the main face of the wireless transmission/reception card and the pole-shaped antenna.

Applicants submit that Yokoki does not teach or suggest the claimed parallel arrangement of the antenna relative to the main face in an “operating state,” of claim 1. With respect to claim 2, Applicants submit that Yokoki does not teach or suggest the claimed parallel arrangement of

the antenna relative to the main face of the card and the antenna arranged in a vertical direction when mounted, when in the normal use state.

Applicants request that the rejection be reconsidered and withdrawn.

**Claim Rejection under 35 USC 103(a) – Yokoki, Eastman**

Claims 3 and 9 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yokoki in view of U.S. Patent 5,208,449 (Eastman). Applicants traverse this rejection.

Embodiments covered by claim 9 are directed to a wireless network terminal including a wireless transmission/reception card, a headset, and an electrical appliance.

The Office Action relies on Eastman for teaching a mountable wireless transceiver (44). The Office Action also states that Eastman does not explicitly disclose a length direction of the pole-shaped antenna being substantially parallel to a main face of the wireless transmission/reception card. The Office Action refers to present Fig. 9A.

Claim 9 has been amended to clarify that the claim pertains to an arrangement in a “normal use state.” Similar to the case for claim 1, Applicants submit that Figure 9A of the present application does not show the parallel arrangement of the antenna relative to the main face is in the “normal use state,” as recited in claim 9.

Applicants request that the rejection be reconsidered and withdrawn.

**Claim Rejection under 35 USC 103(a) – Yokoki, Eastman, Maki**

Claims 5, 8, and 11 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yokoki, Eastman, and U.S. Patent 5,884,199 (Maki). Applicants traverse this rejection.

Maki is relied on for teaching a patch antenna arranged in the bridge of a headset. Applicants submit that Maki does not make up for the above-stated deficiencies in claims 2 and 9.

Applicants request that the rejection be reconsidered and withdrawn.

**Claim Rejection under 35 USC 103(a) – Yokoki, Eastman, and Rydbeck**

Claims 4, 7, and 10 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yokoki, Eastman, and U.S. Patent 5,590,416 (Rydbeck). Applicants traverse this rejection.

The Office Action relies on Rydbeck for teaching a rotatable mount. Applicants submit that Rydbeck does not make up for the above-stated deficiencies in claims 2 and 9.

Applicants request that the rejection be reconsidered and withdrawn.

**CONCLUSION**

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Robert Downs Reg. No. 48,222 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

Dated: November 24, 2006

Respectfully submitted,

By Robert C. Down #48,222  
For Terrell C. Birch  
Registration No.: 19,382  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
8110 Gatehouse Road  
Suite 100 East  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
(703) 205-8000  
Attorney for Applicant